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DIALOG(R)File 351:Derwent WPI
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011407719     **Image available**
WPI Acc No: 1997-385626/199735
XRPX Acc No: N97-321004
 **Multi-functional hand held portable telephone - includes hand held audio
 visual data entry unit with camera reading sensor on rotational pivot
 with MPEG-4 compatible low bit rate audio visual** interactive
 communications algorithm
Patent Assignee: ROBB G D (ROBB-I); AVT AUDIO VISUAL TELECOMMUNICATIONS
   CORP (AVTA-N); AVT AUDIO VISUAL (AVTA-N)
Inventor: ROBB G D
Number of Countries: 075  Number of Patents: 006
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| WO 9726744 | A2 | 19970724 | WO 97CA29 | A | 19970117 | 199735 | B |
| AU 9713636 | A | 19970811 | AU 9713636 | A | 19970117 | 199747 | |
| WO 9726744 | A3 | 19970918 | WO 97CA29 | A | 19970117 | 199814 | |
| EP 875109 | A2 | 19981104 | EP 97900179 | A | 19970117 | 199848 | |
| | | | WO 97CA29 | A | 19970117 | | |
| CN 1208529 | A | 19990217 | CN 97191724 | A | 19970117 | 199926 | |
| US 6177950 | B1 | 20010123 | WO 97CA29 | A | 19970117 | 200107 | |
| | | | US 98101790 | A | 19980716 | | |

Priority Applications (No Type Date): GB 96804 A 19960117
Cited Patents: EP 651543; GB 2289555; JP 6141306; US 5491507; No-SR.Pub
Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---|---|---|---|---|---|
| WO 9726744 | A2 | E | 47 | H04M-001/00 | |

    Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
    CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
    MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US
    UZ VN
    Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE
    LS LU MC MW NL OA PT SD SE SZ UG

| AU 9713636 | A | | | H04M-001/00 | Based on patent WO 9726744 |
| WO 9726744 | A3 | | | H04M-001/00 | |
| EP 875109 | A2 | E | | H04M-001/72 | Based on patent WO 9726744 |

    Designated States (Regional): AT BE CH DE DK ES FI FR GR IE IT LI LU MC
    NL PT SE

| CN 1208529 | A | | | H04M-001/72 | |
| US 6177950 | B1 | | | H04N-007/14 | Based on patent WO 9726744 |

Abstract (Basic): WO 9726744 A
        The personal **interactive** audio visual audio data entry system
     includes a hand held audio visual data entry unit. The hand held unit
     includes a camera reading sensor on a rotational pivot for sensing
     images in various positions allowing **interactive** communication,
     MPEG-4 compatible audio video coder that is designed for audio visual
     communication over the GSM digital cellular network. It uses a low bit
     rate audio visual **interactive** communications algorithm which allows
     various forms of wireless communications, **commands** and/or data and
     for produces input signals in response to the sensed **commands** and/or

data, rewritable storage and/or PCMCIA ports and associated controller
for information relating to selectable items.
    A controller is connected to receive and process the input signals
from the sensor for responding to the **commands** to control the hand
held unit and/or to the data to select an item and a display screen for
displaying a **user** readable representation of the **commands** and/or
stored information for the selected item and a telecommunications
interface for telephonic transmission of information relating to
**interactive** audio visual communications and selected item or items
from the storage to a remote processing centre and for telephonic
transmission of audio visual information and/or information relating to
selectable items from the remote processing centre to the storage.
    USE/ADVANTAGE - Provides telephone with integral reading head,
controller, rewritable storage, display, touch screen area, keypad and
telecommunications interface to enable self contained and efficient
capture and display of information. Display allows **user** to verify
and/or view data being captured without taking eyes off area in which
data capture is taking place.
    Dwg.1/10
Title Terms: MULTI; FUNCTION; HAND; HELD; PORTABLE; TELEPHONE; HAND; HELD;
  AUDIO; VISUAL; DATA; ENTER; UNIT; CAMERA; READ; SENSE; ROTATING; PIVOT;
  COMPATIBLE; LOW; BIT; RATE; AUDIO; VISUAL; INTERACT; COMMUNICATE;
  ALGORITHM
Derwent Class: T01; W01; W02
International Patent Class (Main): H04M-001/00; H04M-001/72; H04N-007/14
International Patent Class (Additional): H04N-007/14
File Segment: EPI
Manual Codes (EPI/S-X): T01-J08A; W01-C01D3C; W01-C01G4; W01-C01P;
  W02-F08B3

 **...   includes hand held audio visual data entry unit with camera reading
 sensor on rotational pivot with MPEG-4 compatible low bit rate audio
 visual** interactive **communications algorithm**

...Abstract (Basic): The personal **interactive** audio visual audio data
    entry system includes a hand held audio visual data entry unit. The
    hand held unit includes a camera reading sensor on a rotational pivot
    for sensing images in various positions allowing **interactive**
    communication, MPEG-4 compatible audio video coder that is designed for
    audio visual communication over the GSM digital cellular network. It
    uses a low bit rate audio visual **interactive** communications algorithm
    which allows various forms of wireless communications, **commands**
    and/or data and for produces input signals in response to the sensed
    **commands** and/or data, rewritable storage and/or PCMCIA ports and
    associated controller for information relating to selectable items...

...A controller is connected to receive and process the input signals from
    the sensor for responding to the **commands** to control the hand held
    unit and/or to the data to select an item and a display screen for
    displaying a **user** readable representation of the **commands** and/or
    stored information for the selected item and a telecommunications
    interface for telephonic transmission of information relating to
    **interactive** audio visual communications and selected item or items
    from the storage to a remote processing centre and for telephonic
    transmission of audio visual information and...

...head, controller, rewritable storage, display, touch screen area, keypad
    and telecommunications interface to enable self contained and efficient

capture and display of information. Display allows **user** to verify
and/or view data being captured without taking eyes off area in which
data capture is taking place...

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